



— BUREAU OF —
RECLAMATION

From habitat features to process based floodplain restoration

Environmental Research Webinar Series

Sponsored by Reclamation's Science and Technology Program



Presenter Biography:

Michael (Mick) Porter is a fisheries biologist with the US Army Corps of Engineers Albuquerque District Office. Mick has been with Reclamation for twelve years supporting ecosystem restoration and the Middle Rio Grande Endangered Species Collaborative Program. Prior to that he spent 7 years with the Bureau of Reclamation (AAO) working on understanding floodplain habitat needs for the Rio Grande Silvery Minnow in response to fluvial geomorphology and environmental flow. Mick has a B.S. and M.S. from Eastern New Mexico University, and a Ph.D. from the University of Oklahoma.

WEBINAR INFORMATION

DATE/TIME: July 29, 2020, 1 pm MST

FACILITATOR: Jennifer Bountry

WEBINAR PLATFORM: Web Ex

Meeting number (access code): 199 042 7110

Meeting password: bVXBgfKi234

JOIN MEETING:

<https://bor.webex.com/bor/j.php?MTID=m80820894ed6ce493f3cb9f28d976b2e2>

JOIN BY PHONE: 415-527-5035 US Toll

The US. Army Corps of Engineers (USACE) Civil Works Program conducts feasibility studies for addressing many of the nation's significant water resources needs. The USACE Civil Works Planning Program conducts a broad range of studies to investigate the Federal interest, engineering feasibility, economic justification and environmental acceptability related to navigation, flood risk management, and ecosystem restoration. USACE Planners work with non-federal sponsors and multi-disciplinary study teams to identify water resources problems, formulate and evaluate solutions, resolve conflicting interests, and prepare recommendations.

USACE participates in the Middle Rio Grande Endangered Species Collaborative Program (Program), a partnership of 17 federal, state, tribal, local, and non-profit signatory agencies and organizations working together to support the recovery of endangered species in the Middle Rio Grande. Species include the New Mexico Meadow Jumping Mouse (*Zapus hudsonius luteus*), Pecos Sunflower (*Helianthus paradoxus*), Rio Grande Silvery Minnow (*Hybognathus amarus*), Southwestern Willow Flycatcher (*Empidonax traillii extimus*), and Yellow-billed Cuckoo (*Coccyzus americanus*). Projects focus on providing the Program signatories with planning and technical support to make informed decisions on water resource projects that may affect the listed Threatened and Endangered species in the Program area.

This presentation reviews floodplain restoration on the Rio Grande and how environmental flow is essential function for Rio Grande Silvery Minnow. Preliminary results from the analysis of habitat and flow provide a foundation for applying Engineering with Nature principles toward developing new concepts for adaptive habitat management.

Project Web Page:

<https://www.usbr.gov/lc/phoenix/biology/azfish/index.html>

Please direct webinar questions to Jennifer Bountry at jbountry@usbr.gov or (303) 445-3614